

CUSTOMER NO.: 24498
Serial No. 10/528,596
Reply to Office Action dated: 01/24/08
Response dated: 5/29/08

PATENT
PD020096

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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

Please cancel claims 16 and 22 without prejudice.

Please amend claims 14, 17, 21, 24, 26 and 28 as follows:

14. (Currently Amended) A method for recording a data stream on a storage medium, wherein the data stream is recorded in data blocks, the method ~~comprizing~~ comprising the following steps of:
- ~~generating an error correction~~ computing a parity block ~~for~~ from one or more of the data blocks;
 - writing the ~~error correction~~ parity block on the storage medium during recording;
 - keeping a spare data area on the storage medium blank;
 - reconstructing a defect data block using the ~~error correction~~ parity block; and
 - storing the reconstructed data block in the spare data area.
15. (Previously Presented) The method of claim 14, wherein the step of reconstructing is performed after finishing recording of the data blocks.
16. (cancelled)
17. (Currently Amended) The method of claim ~~16~~ 14, wherein an additional parity block covers several groups of data blocks and parity blocks.
18. (Previously Presented) The method of claim 14, wherein the storage medium is an optical disk having one or more tracks, which are written and read-out using an optical pickup.

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19. (Previously Presented) The method of claim 18, wherein the reconstructed data block is stored in one of the spare data areas selected to be close to the defect data block in order to allow replacement of the defect data block with the reconstructed data block with fast jumps of the optical pickup from one track to the other or even without jumps by buffering the spare area during playback.
20. (Previously Presented) The method of claim 18, wherein the reconstructed data block is stored in one of the spare data areas selected to be approximately located at a geometrical opposite of the defect block on the optical disk.
21. (Currently Amended) A method for playing back a recorded data stream from a storage medium, wherein the data stream has been recorded in data blocks, the method ~~comprizing~~ comprising the following steps of:
- reading payload blocks until a defect block is detected and a replacement block for a defect payload block;
 - upon detection of the defect block, jumping back to a replacement block and recovering the defect payload block by using the read reading the replacement block;
 - skipping the already read blocks; and
 - continuing the reading of not yet read payload blocks.
22. (Cancelled)
23. (Previously Presented) The method of claim 21, wherein the replacement block is read and buffered and further payload blocks are read until the defect block is detected.
24. (Currently Amended) The method of claim 21, wherein the read payload blocks are buffered and wherein a defect block is skipped and the following payload blocks and a parity block are read and buffered and wherein the defect payload block is reconstructed by using the buffered blocks and the parity block.

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25. (Previously Presented) The method of claim 14, wherein the blocks are clusters for a Blu-ray Rewritable Disc.
26. (Currently Amended) An apparatus equipped to perform the method of claim 14, comprising:
- generating means for generating an error correction block for one or more of the data blocks.
 - writing means for writing the error correction block on the storage medium during recording.
 - control means for causing a spare data area on the storage medium to be kept blank.
 - reconstruction means for reconstructing a defect data block using the error correction block; and
 - storage means for storing the reconstructed data block in the spare data area.
27. (Previously Presented) The method of claim 21, wherein the blocks are clusters for a Blu-ray Rewritable Disc.
28. (Currently Amended) An apparatus equipped to perform the method of claim 21, comprising:
- reading means for reading payload blocks and a replacement block for a defect payload block;
 - recovery means for recovering the defect block by using the read replacement block;
 - skipping means for skipping the already read blocks; and
 - control means for causing the reading of not yet read payload blocks to be continued.